First Nations Water Rights in British Columbia

A Historical Summary of the rights of the Bella Coola First Nation

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MINISTRY OF ENVIRONMENT, LANDS and PARKS
WATER MANAGEMENT BRANCH

FIRST NATIONS WATER RIGHTS IN BRITISH COLUMBIA:

A Historical Summary of the rights of the Bella Coola First Nation

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Sara Cheevers

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Gary Robinson
Project Manager
Water Management Branch

TABLE OF CONTENTS

LOCATION 1

WATER ALLOCATIONS 2

HISTORY, CURRENT STATUS AND NOTES 2

Tastsquan Creek

- History 2
- Current Status 3
- Notes 4

Thorsen Creek

- History 4
- Current Status 5
- Notes 5

OTHER INFORMATION 5

APPENDICES

TAB NO.:

1 TABLE: Summary of Water Rights Records for the Bella Coola First Nation.

3 LICENCES and PLATS
Conditional Licences 9782, 9826 and 58860
Final Licences 7679 and 17558.

4 PERMIT AUTHORIZING THE OCCUPATION OF CROWN LAND:
Permit No. 13660

5 STREAM REGISTER REPORTS
Tastsquan Creek and Thorsen Creek.

6 WATER SURVEY OF CANADA RECORDS
Tastsquan Creek.

7 MAP: Bella Coola Band

i. 1:50,000 map showing Bella Coola Reserve No. 1.
ii. 1:250,000 map showing all the reserves of the Bella Coola (Nuxalk) Band.

FIRST NATIONS WATER RIGHTS REPORT

BAND:	Nuxalk Band		
ADDRESS:	P.O. Box 65, Bella Coola, B.C., V0T 1C0		
CHIEF:	Chief Edward Moody		
PHONE:	799-5613	**FAX:**	799-5426
AFFILIATION:	Oweekeno/Kitasoo/Nuxalk		

LOCATION:

The Bella Coola First Nation occupies seven reserves situated along the shores of Burke and Dean Channels, northeast of Vancouver Island. The reserves range in size from 5.3 to 1,354.5 hectares and occupy a total land area of 2,023.9 hectares. The reserves are:

Bella Coola 1
Kwatlena 4
Taleomy 3
Chatscah 2
Nooseseck 2
Kemsquit 1
Skowquiltz River 3

Of the Bella Coola reserves, water allocations have been granted on:

- **Bella Coola 1**: a 1,345.5 hectare reserve located northeast of the village of Bella Coola.

The most recent population figures compiled by the Ministry of Finance report that the Bella Coola First Nation has a total population, including registered and non-registered members living on- and off-reserve, of 402.

The seven reserves of the Bella Coola Band occur in the Coastal Western Hemlock Biogeoclimatic Zone. The reserves lie at sea level, and experience a regional climate in which average daily temperatures range from lows of -5 degrees centigrade in January, to highs in the order of 16 degrees centigrade in July. Annual rainfall for the area averages in excess of 250 centimetres.

Water courses of significance include:

- **Tastsquan Creek**: flows north through the southwestern portion of Bella Coola Reserve No. 1, and then drains into Bella Coola River.

- **Thorsen Creek**: flows north through the southeastern portion of Bella Coola Reserve No.1, and then drains into Bella Coola River.

WATER ALLOCATIONS:

There are no records of water allocations made by either the Indian Reserve Commission, by Order-in-Council of the Lieutenant Governor in Council, or by Order of the Board of Investigation.

The water rights of the Bella Coola First Nation have been determined by two actions of government over the years:

1. The issue of water licences in response to Federal Government applications requesting authorization for the use of water on reserve lands.

2. Actions to amend, cancel or record as abandoned, licenced rights pursuant to provisions contained in the *Water Act*.

HISTORY, CURRENT STATUS AND NOTES:

The history of water rights, the current status of rights, and notes for the Bella Coola Band with respect to Tastsquan Creek and Thorsen Creek, are as follows:

Tastsquan Creek:

History:

Oct 24, 1928 In accordance with an application made by the Superintendent of Indian Affairs on behalf of the Bella Coola Band, the Comptroller of Water Rights issued Conditional Water Licence 9782. The licence was assigned a precedence date of July 17, 1926 and authorizes the diversion of 25,000 gallons per day from Tatskwan Creek for domestic purpose. The appurtenant lands are specified as those parts of Bella Coola No. 1 on which are situate dwellings and appendages thereto.

Dec 20, 1928 In accordance with an application made by the Superintendent of Indian Affairs on behalf of the Bella Cools Band, the Comptroller of

Water Rights issued Conditional Water Licence 9826. The licence was given a precedence date of July 17, 1926 and authorizes the diversion of 2.95 cubic feet per second from Tatskwan Creek for power purpose. The appurtenant lands are defined as Bella Coola Reserve No. 1, on which is situate a power house and associated appendages.

Dec 31, 1930 Based on the extent to which rights authorized under Conditional Licence 9782 were exercised, the Comptroller of Water Rights issued Final Water Licence 7679, in substitution, to the Superintendent of Indian Affairs on behalf of the Bella Coola Band. The licence was given a precedence date of July 17, 1926 and authorizes the diversion of 25, 000 gallons per day from Tatskwan Creek for domestic purpose. The appurtenant lands are defined as Bella Coola Reserve No. 1, on which are situate dwellings and associated appendages.

Apr 8, 1960 In accordance with a letter from Indian Affairs Department, submitted on behalf of the Bella Coola Band, the Comptroller of Water Rights recorded Conditional Water Licence 9826 as abandoned.

Nov 1, 1960 In response to an application filed by Indian Affairs Branch on behalf of the Bella Coola Band, the Comptroller of Water Rights issued Final Water Licence 17558. The licence authorizes the diversion of 50,000 gallons per say from Tastsquan Creek for Waterworks purpose. The appurtenant land is defines as Bella Coola Reserve no. 1, Range 3, Coast District.

Jan 24, 1985 The Deputy Comptroller of Water Rights issued an Order to amend Final Water Licence 7679 after having determined that the original source of water supply, Tatskwan Creek, had been renamed Tastsquan Creek.

Current Status:

There are currently three licences active on Tastsquan Creek, two of which are held by the Bella Cools Band. Of the licences:

- 1 authorizes the use of 25,000 gallons of water per day for domestic purpose;
- 1 authorizes the use of 14,600,000 gallons of water per year for waterworks local authority purpose;

- 1 authorizes the use of 50,000 gallons of water per day for waterworks (other) purpose.

The Bella Coola Band holds Final Water Licences 7679 and 17588, which are first and third in priority on the Creek respectively.

The Water Survey of Canada operated Station 08FB003 on Tastsquan Creek from 1946 to 1950. During the period recorded, the station recorded a minimum daily discharge of 0.085 m^3/sec, on January 15, 1947, and a maximum daily discharge of 36.5 m^3/sec, on October 24, 1947. Mean monthly discharges reached a low of .565 m^3/sec in March and rose to highs in the order of 4.69 m^3/sec in May.

Notes:

1. Under current licencing practices Final Water Licence 17588 would be issued for "waterworks" purpose. The amendment of the licence as such, would qualify the Tastsquan Creek drainage area for designation as a "Community Watershed" under provisions contained in the Forest Practices Code.

Thorsen Creek:

History:

Jun 15, 1983 In response to an application made by the Indian Agency on behalf of the Bella Coola Band, the Comptroller of Water Rights issued Conditional Water Licence 58860. The licence was assigned a precedence date of July 28, 1980 and authorizes the diversion of 25,000 gallons per day from Thorsen Creek for domestic purpose. The appurtenant land is specified as Bella Coola Reserve No. 1, Bella Coola, Range 3, Coast Distric lving south and east of the Bella Coola River.

In connection with Conditional Water Licence 58860, Permit Over Crown lands 13660 was granted to the Bella Coola Band. The permit authorizes the occupation of Crown land for the construction and maintenance of works required under Conditional Licence 58860.

Current Status:

Conditional Water Licence 58860, for the use and benefit of the Bella Coola Band, is the only licence active on Thorsen Creek.

The Water Survey of Canada has no records of streamflow for Thorsen Creek.

Notes:

1. Under current licencing practices Conditional Water Licence 58860 would be issued for domestic and waterworks purpose. The amendment of the licence to reflect this would qualify the Thorsen Creek drainage area for designation as a "Community Watershed" under provisions contained in the Forest Practices Code.

OTHER INFORMATION:

Groundwater Records:

A review of well records maintained by the MELP - Groundwater Section found that no wells have been reported on any of the Bella Coola Reserves. However, as the provision of this well information to the Groundwater Section is voluntary, this review should not be assumed to be complete.

Summary of Water Rights Records

Bella Coola First Nation

Water Source	Priority Date	Reserve Name	File No.	Document Type	Status	Superceded By	Licence PUC/MOD & OIC Allotments	Comments
Tastsquan Creek	1926/07/17	Bella Coola #1	0069757	C 9782	Superceded	F 7679	25,000 GAD/Domestic	
Tastsquan Creek	1926/07/17	Bella Coola #1	0069757	F 7679			25,000 GAD/Domestic	Pupose: Under current licencing practices purpose would be classified as "waterworks"; amendment as such would qualify the Tastsquan Cr. drainage area for designation as "Community Watershed" under provisions contained in the FPC.
Tastsquan Creek	1926/07/17	Bella Coola #1	0069757	C 9826	Canceled		2.95 CFS/Power	
Thorsen Creek	1980/07/28	Bella Coola #1	0367000	C 58860	Current		250,000 GAD/Domestic	Pupose: Under current licencing practices purpose would be classified as "waterworks"; amendment as such would qualify the Thorsen Cr. drainage area for designation as "Community Watershed" under provisions contained in the FPC.

PROVINCE OF BRITISH COLUMBIA.

WATER RIGHTS BRANCH.

DEPARTMENT OF LANDS.

CONDITIONAL WATER LICENCE.

For Domestic purpose.

Appurtenant to those parts of Bella Coola No. 1 Indian Reserve on which are situate dwellings and appendages thereto.

WHEREAS THE SUPERINTENDENT GENERAL OF INDIAN AFFAIRS as owner or lawful occupant of the land, mine, or undertaking hereinafter specified has applied for a licence to take and use water in the manner hereinafter set out, and has taken all the steps required of such applicant under the "Water Act," prior to the issue of this licence, and is, under the said Act, entitled thereto:

Now, therefore, in pursuance of the said Act, this conditional licence is issued, granting the licensee hereunder the right to take and use water under the following terms and conditions:—

(a.) The source of the water-supply is Tatakwan Creek a tributary of Bella Coola River

(b.) The point of diversion from the stream is located as shown in the exhibit marked "A" hereto attached, which is incorporated herewith and made a part hereof.

(c.) The date from which this licence and the right to take and use water thereunder shall take precedence is 17th July 1926

(d.) The water is to be used for Domestic purpose and incidentally for - - - - - - - - - - - - - - - - purpose.

(e.) The maximum quantity of water which may be used at the place of use is:—

For Domestic purpose 25,000 gallons a day

For - - - - - - - - - purpose - - - - - - - - - - -

and an additional amount may be diverted to provide against reasonable loss by seepage and evaporation in conveyance from the point of diversion to the place of use.

(f.) The period of the year during which the water may be used is the whole year

(g.) The area and description of the lands or mines upon which the water may be used are those parts of Bella Coola No. 1 Indian Reserve on which are situate dwellings and appendages thereto.

which area and description are more particularly shown in the said exhibit "A."

069757

Licence Number 9782

(1)—1M-528-2166. (Conditional Licence—Domestic, Mining, Miscellaneous, etc.)

Superseded

ORIGINAL

(h.) The works which are required to be constructed consist of all the works set out in the exhibit marked "B" hereto attached, which is incorporated herewith and made a part hereof.

(i.) The construction of the said works has been commenced and shall be prosecuted with due diligence and in a workmanlike manner and to the satisfaction of the Comptroller of Water Rights.

(j.) The said construction shall be completed and the water beneficially used for the purpose set out in this licence on or before the 30th day of September, 19 30.

(k.)

(l.) Before any change is made in the said works which would be a material deviation from the plans as approved or the works as accepted by the Comptroller, plans of such proposed change must be filed with the Comptroller and approved by him.

(m.) This licence shall not in any way be deemed to be a final licence for the use of water, but shall have the effect only of a conditional licence issued under Part II. of the "Water Act," and shall be subject to all the provisions of said Act, including the filing of proof of the completion of the said works and the putting of the water to such beneficial use within the time limited by the provisions of section 74 of the said Act.

Issued this 24th day of October, 19 28.

J. Macdonald

Comptroller of Water Rights.

File Number 069757

9782

Licence Number

N.B.—In order that statements of rentals due the Province shall be sent to the proper party, notice of the date of any change in the ownership of the lands, mines, or undertaking specified in this licence should be filed with the Comptroller of Water Rights by the new owner.

W.R.B. 1002 (2)—1M-528-2166. (Conditional Licence—Domestic, Mining, Miscellaneous, etc.)

ORIGINAL

PROVINCE OF BRITISH COLUMBIA.

WATER RIGHTS BRANCH.

DEPARTMENT OF LANDS.

EXHIBIT "B"

(APPROVAL OF PLANS AND LIST OF WORKS TO BE CONSTRUCTED).

The works which are accepted as necessary and suitable for the taking and (or) using of the water under the above-mentioned licence, and which are more fully set out in the plans and specifications filed in the office of the Comptroller of Water Rights numbered

514795 B

as altered, amended, or limited by supplemental plans and specifications numbered

or in letters or other documents referred to as

which plans and specifications as thus altered, amended, or limited are hereby approved, are as follows:—

intake and pipe

File No. 069757.

J. Macdonald

Comptroller of Water Rights.

W.R.B. 1005 (Approval of Plans—SM-827-9414—Forming part of Conditional Water Licence No. 9782).

ENTERED ON
Map No. 12 (E-9)
By TMW

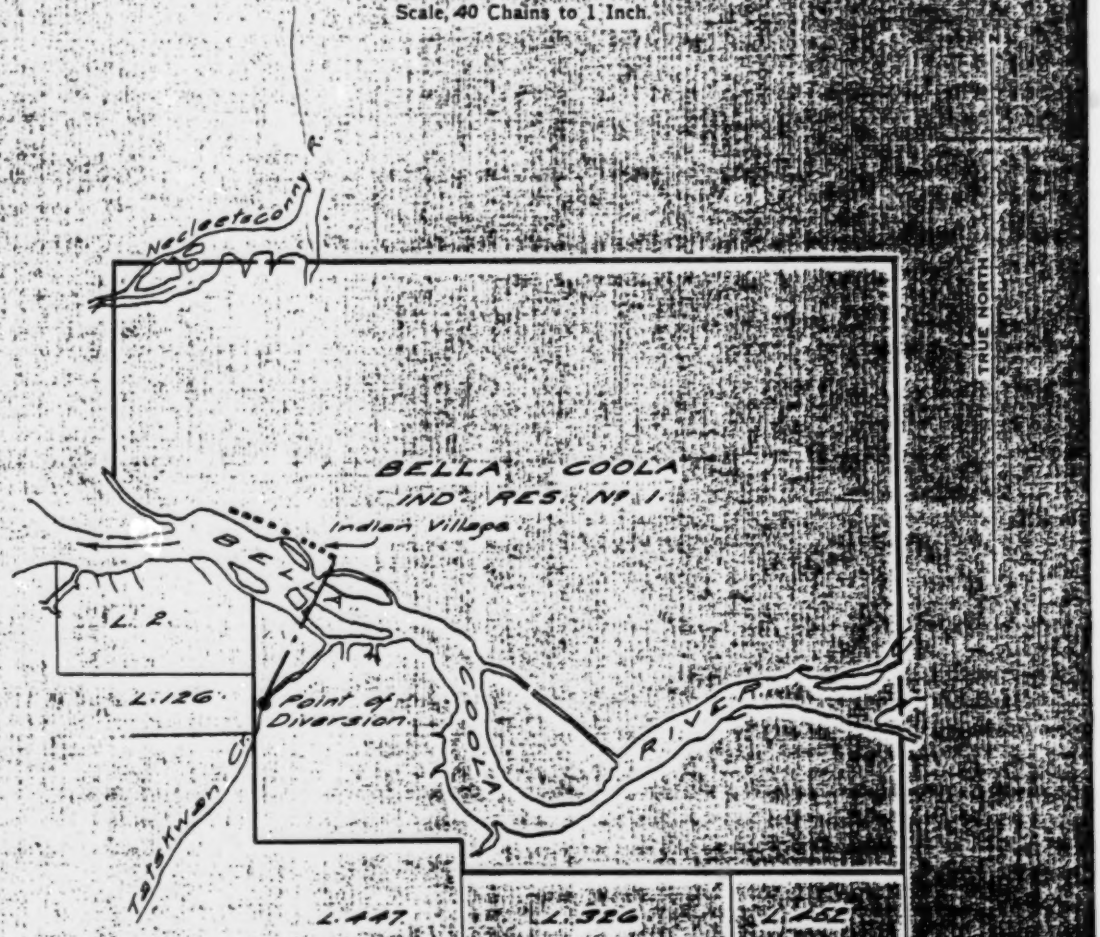
ORIGINAL

British Columbia

To accompany Conditional Licence No. 9702

VANCOUVER — WATER DISTRICT

Scale, 40 Chains to 1 Inch.



The boundaries of the land to which this licence is appurtenant are shown shaded.

K.G.P.
C.H.

Signature

Date 24th Oct 1929

CL (9702)

Ref. Map 12(E-9)

File 0439757

EXHIBIT "A"

ALL COMMUNICATIONS IN CE TO WATER
MATTERS SHOULD BE DRESSED TO
COMPTROLLER OF WATER R...
PARLIAMENT BUILDINGS, VICTORIA, B.C.

VICTORIA, B.C. .....

DEPARTMENT OF LANDS AND FORESTS

WATER RIGHTS BRANCH

ORDER

WATER ACT, 1939.
Section 13.

File No. 069757

Being satisfied that no person's rights will be affected, I hereby extend the time for the completion of the works and for making beneficial use of the water authorized under Conditional Water Licence No. 9826, Director of Indian Affairs, Tatakwan Creek, to the Thirty-first day of December, 1947.

E. Davis

Comptroller of Water Rights.

DATED at Victoria, B. C.,
this 16th day of May,
1946.

9826

PROVINCE OF BRITISH COLUMBIA.

WATER RIGHTS BRANCH.

DEPARTMENT OF LANDS.

CONDITIONAL WATER LICENCE.

For Power purpose.

Appurtenant to the Bella Coola No. 1, Indian Reserve, on which is situate a power house and appendages thereto.

WHEREAS THE SUPERINTENDENT-GENERAL OF INDIAN AFFAIRS as owner or lawful occupant of the land, mine, or undertaking hereinafter specified has applied for a licence to take and use water in the manner hereinafter set out, and has taken all the steps required of such applicant under the "Water Act," prior to the issue of this licence, and is, under the said Act, entitled thereto:

Now, therefore, in pursuance of the said Act, this conditional licence is issued, granting the licensee hereunder the right to take and use water under the following terms and conditions:—

(a.) The source of the water-supply is Tatskwan Creek a tributary of Bella Coola River.

(b.) The point of diversion from the stream is located as shown in the exhibit marked "A" hereto attached, which is incorporated herewith and made a part hereof.

(c.) The date from which this licence and the right to take and use water thereunder shall take precedence is 17th July, 1926.

(d.) The water is to be used for Power purpose and incidentally for purpose.

(e.) The maximum quantity of water which may be used at the place of use is:—

For Power purpose 2.95 c.f.s.

For purpose

and an additional amount may be diverted to provide against reasonable loss by seepage and evaporation in conveyance from the point of diversion to the place of use.

(f.) The period of the year during which the water may be used is the whole year.

(g.) The area and description of the lands or mines upon which the water may be used are the Bella Coola No. 1 Indian Reserve, on which is situate a power house and appendages thereto.

which area and description are more particularly shown in the said exhibit "A."

File Number 059757

Licence Number 9826

W.R.B. 1003 (1)—1M-325-2166. (Conditional Licence—Domestic, Mining, Miscellaneous, etc.)

Turn over page

ORIGINAL

(h.) The works which are required to be constructed consist of all the works set out in the exhibit marked "B" hereto attached, which is incorporated herewith and made a part hereof.

(i.) The construction of the said works shall be commenced on or before the 31st day of March, 1929, and shall be prosecuted with due diligence and in a workmanlike manner and to the satisfaction of the Comptroller of Water Rights.

(j.) The said construction shall be completed and the water beneficially used for the purpose set out in this licence on or before the 30th day of September, 1931.

(k.) Provided always and it is hereby declared that all the powers and privileges hereby conferred on the licensee are subject to the requirements of the residents of Bella Coola for a water supply for domestic or waterworks purpose if and when required to the extent of one (1) cubic foot of water per second.

(l.) Before any change is made in the said works which would be a material deviation from the plans as approved or the works as accepted by the Comptroller, plans of such proposed change must be filed with the Comptroller and approved by him.

(m.) This licence shall not in any way be deemed to be a final licence for the use of water, but shall have the effect only of a conditional licence issued under Part II. of the "Water Act," and shall be subject to all the provisions of said Act, including the filing of proof of the completion of the said works and the putting of the water to such beneficial use within the time limited by the provisions of section 74 of the said Act.

Issued this 30th day of December, 1928.

Comptroller of Water Rights.

File Number 069757

Licence Number 9826

N.B.—In order that statements of rentals due the Province shall be sent to the proper party, notice of the date of any change in the ownership of the lands, mines, or undertaking specified in this licence should be filed with the Comptroller of Water Rights by the new owner.

W.R.B. 1002 (2)—1M-528-2166. (Conditional Licence—Domestic, Mining, Miscellaneous, etc.)

ORIGINAL

PROVINCE OF BRITISH COLUMBIA.

WATER RIGHTS BRANCH.

DEPARTMENT OF LANDS.

EXHIBIT "B"

(APPROVAL OF PLANS AND LIST OF WORKS TO BE CONSTRUCTED).

The works which are accepted as necessary and suitable for the taking and (or) using of the water under the above-mentioned licence, and which are more fully set out in the plans and specifications filed in the office of the Comptroller of Water Rights numbered 514795 B

as altered, amended, or limited by supplemental plans and specifications numbered

or in letters or other documents referred to as

which plans and specifications as thus altered, amended, or limited are hereby approved, are as follows:—

Intake, pipe and wheel

8 April 1960

Abandoned

File 069757

Comptroller of Water Rights.

W.R.B. 1008 (Approval of Plans)—3M-828-3474—Forming part of Conditional Water Licence No. 9826

ENTERED ON Map No. 12 E 9 By Rec

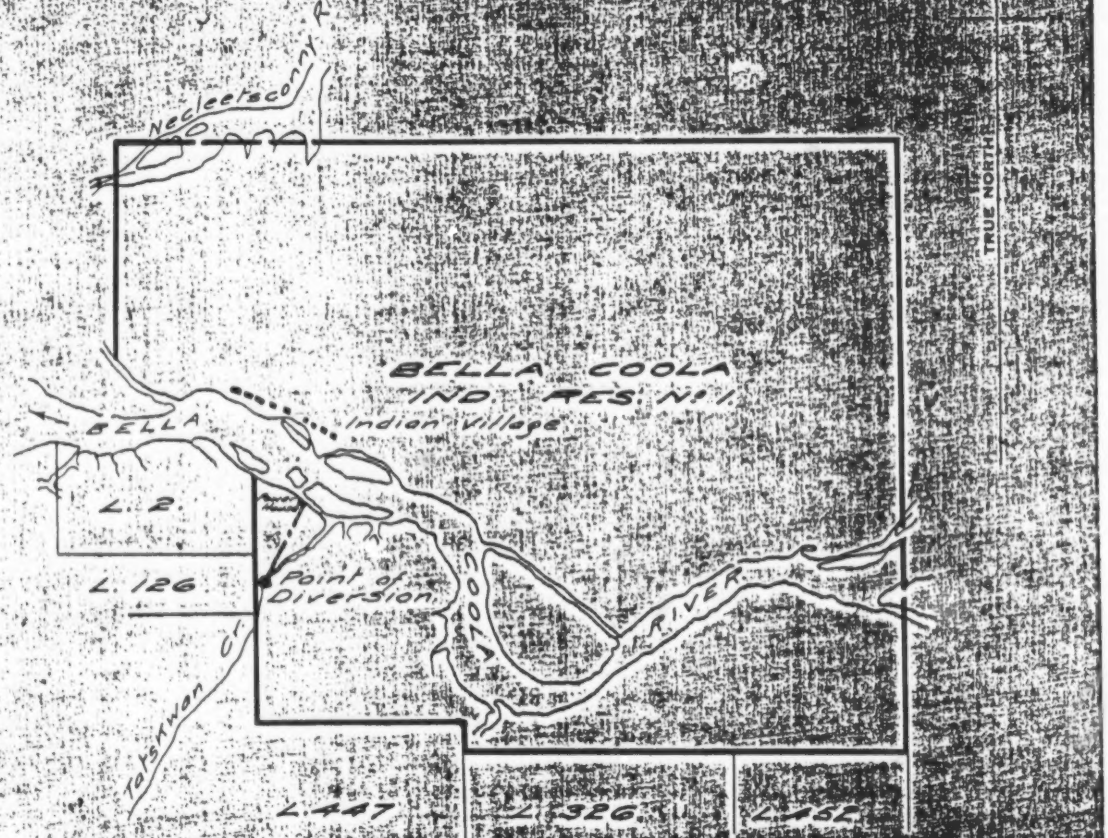
ORIGINAL

British Columbia

To accompany Conditional Licence No. 9826

VANCOUVER —— WATER DISTRICT

Scale 40 Chains to 1 Inch



The boundaries of the land to which this licence is appurtenant are shown shaded.

N.G.P.
EMH.

Signature

Date 20th Dec 1920

C.L. 9026
File 069757

EXHIBIT "A"

Ref. Map 12(E-9)

WATER MANAGEMENT BRANCH

MINISTRY OF ENVIRONMENT

THE PROVINCE OF BRITISH COLUMBIA—WATER ACT

CONDITIONAL WATER LICENCE

Indian Agency - Bella Coola Band, P. O. Box 65, Bella Coola, B. C. V0T 1C0

is hereby authorized to divert and use water as follows:

(a) The source of the water-supply is Thorsen Creek.

(b) The point of diversion is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 28th July, 1980.

(d) The purpose for which the water is to be used is domestic.

(e) The maximum quantity of water which may be diverted is 250,000 gallons a day, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used is the whole year.

(g) The land upon which the water is to be used and to which this licence is appurtenant is that part of Indian Reserve #1, Bella Coola, Range 3, Coast District, lying South and East of the Bella Coola River.

(h) The works authorized to be constructed are diversion structure and pipe, which shall be located approximately as shown on the attached plan.

(i) The construction of the said works shall be commenced on or before the 31st day of December, 1983, and shall be completed and the water beneficially used on or before the 31st day of December, 1986.

D. B. Farrell,
Deputy Comptroller of Water Rights.

File No. 0367000 Date issued: 15th June, 1983 Conditional Licence 58860

ENTERED ON
Map No. 93D/SE(7-6)
By

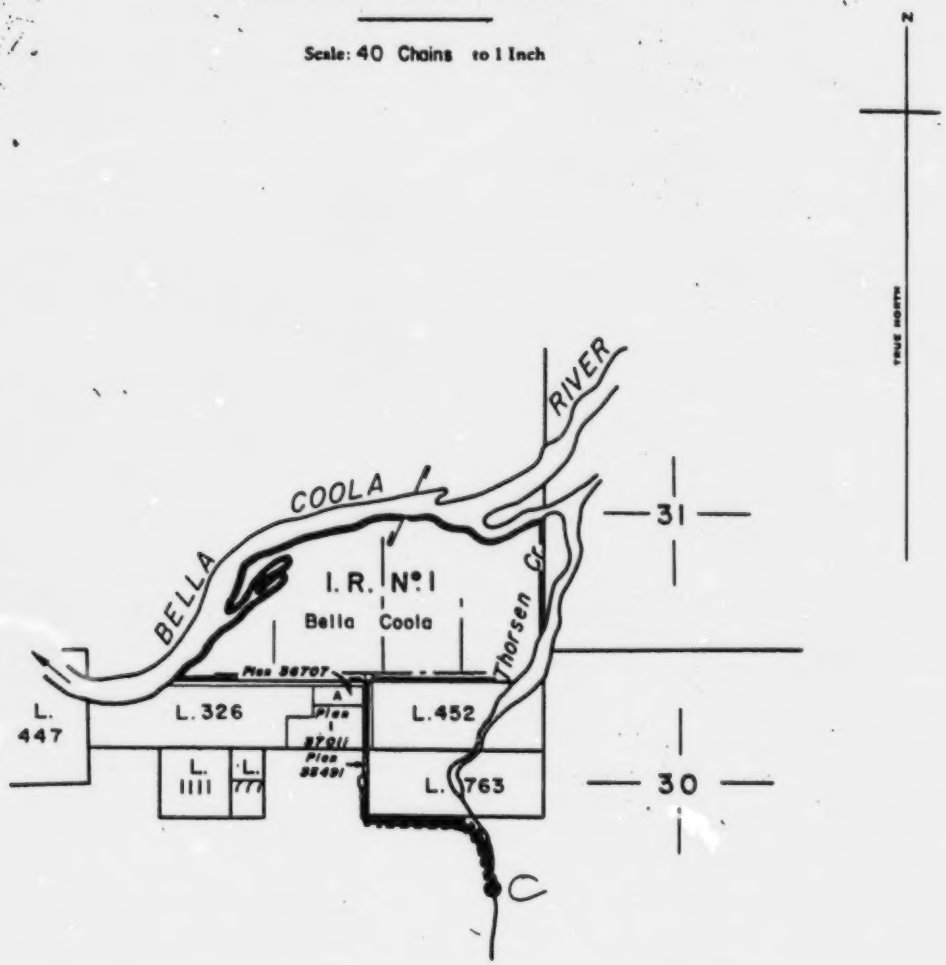
W-183

British Columbia

CARIBOO WATER DISTRICT

RANGE 3, COAST DISTRICT

Scale: 40 Chains to 1 Inch



LEGEND

Point of Diversion ●
Ref. Map ~~93D/SE (7-61)~~ 93·D·037
Pipe — · —
Permit over Crown Land [redacted]

The boundaries of the land to which this licence is appurtenant are shown thus: ———

Signature [signature]

Date 15th June 1983

C.L. 58860
File 0367000
P.C.L. N° 13660

Bella Coola Precinct

Province of British Columbia

Ministry of Environment

Water Management Branch

ORDER

WATER ACT

Section 15

File No. 0069757

In the matter of Final Water Licence 7679, which authorizes the diversion of water from Tatskwan Creek for domestic purpose.

Having determined that the source of the water-supply was erroneously stated, and being satisfied that no persons rights will be injuriously affected, I hereby amend clause (a) of said licence to read as follows:

(a) The source of the water-supply is Tastsquan Creek.

Dated at Victoria, B.C., this 24th day of January, 1985.

J. E. Farrell,
Deputy Comptroller of Water Rights.

PROVINCE OF BRITISH COLUMBIA.

WATER RIGHTS BRANCH.

DEPARTMENT OF LANDS.

FINAL WATER LICENCE.

(DOMESTIC, MINING, MISCELLANEOUS, ETC.)

WHEREAS THE SUPERINTENDENT-GENERAL OF INDIAN AFFAIRS, whose address is Ottawa, Ontario

is the owner of the land, mine, or undertaking to which Conditional Licence No. 9782 was made appurtenant, and is the applicant for this licence; and

Whereas satisfactory proof has been duly filed and it has been shown to the satisfaction of the Comptroller that the terms of the said conditional licence have been complied with satisfactorily, and particularly that the works for the diversion and carriage of the water under the said licence have been completed and that beneficial use of the water has been made thereunder:

Now, therefore, in pursuance of the "Water Act," this final licence is issued, granting the licensee thereunder the right to take and use water under the following terms and conditions:—

(a.) The source of the water-supply is Tatakwan Creek a tributary of Bella Coola River

(b.) The point of diversion from the stream is located as shown in the exhibit marked "A" hereto attached, which is incorporated herewith and made a part hereof, the original of which exhibit is attached to the counterfoil of this licence on file in the office of the Comptroller of Water Rights, Parliament Buildings, Victoria.

(c.) The date from which this licence and the right to take and use water thereunder shall take precedence is 17th July, 1926

(d.) The purpose for which the water is to be used is Domestic

(e.) The maximum quantity of water which may be used at the place of use is 25,000 gallons a day; and the maximum quantity of water which may be diverted from the stream is 25,000 gallons a day

(f.) The period of the year during which the water may be used is the whole year

(g.) The area and description of the lands or mines upon which the water may be used are those parts of Bella Coola No. 1 Indian Reserve on which are situate dwellings and appendages thereto which area and description are more particularly shown in the said exhibit "A."

File 069757

Licence Number 7679

W.R.B. 1021 (1) (Final Licence—Domestic, etc.)—SM-721-6191

AMENDED 24.1.85

ORIGINAL

(*h.*) The works for the diversion and the carriage of the water consist of

diversion dam, tank and pipe

(*i.*) Before any change is made in the said works which would be a material deviation from the plans as approved or the works as accepted by the Comptroller, plans of such proposed change must be filed with the Comptroller and approved by him.

(*j.*) This licence shall be appurtenant to those parts of Bella Coola No. 1 Indian Reserve on which are situate dwellings and appendages thereto

(*k.*) The nature and extent of the incidental use (if any) permitted under this licence are

- - - -

but such use shall not enlarge the quantity of water allowed under item (*e*) above.

(*l.*) The terms and conditions of this licence shall replace those of the conditional licence hereinbefore referred to.

(*m.*) - - - -

Issued this 31st day of December 19 30.

Comptroller of Water Rights.

File 069757.

Licence Number 7679

W.R.B. 1021 (2) (Final Licence—Domestic, etc.)—2M-229-5191

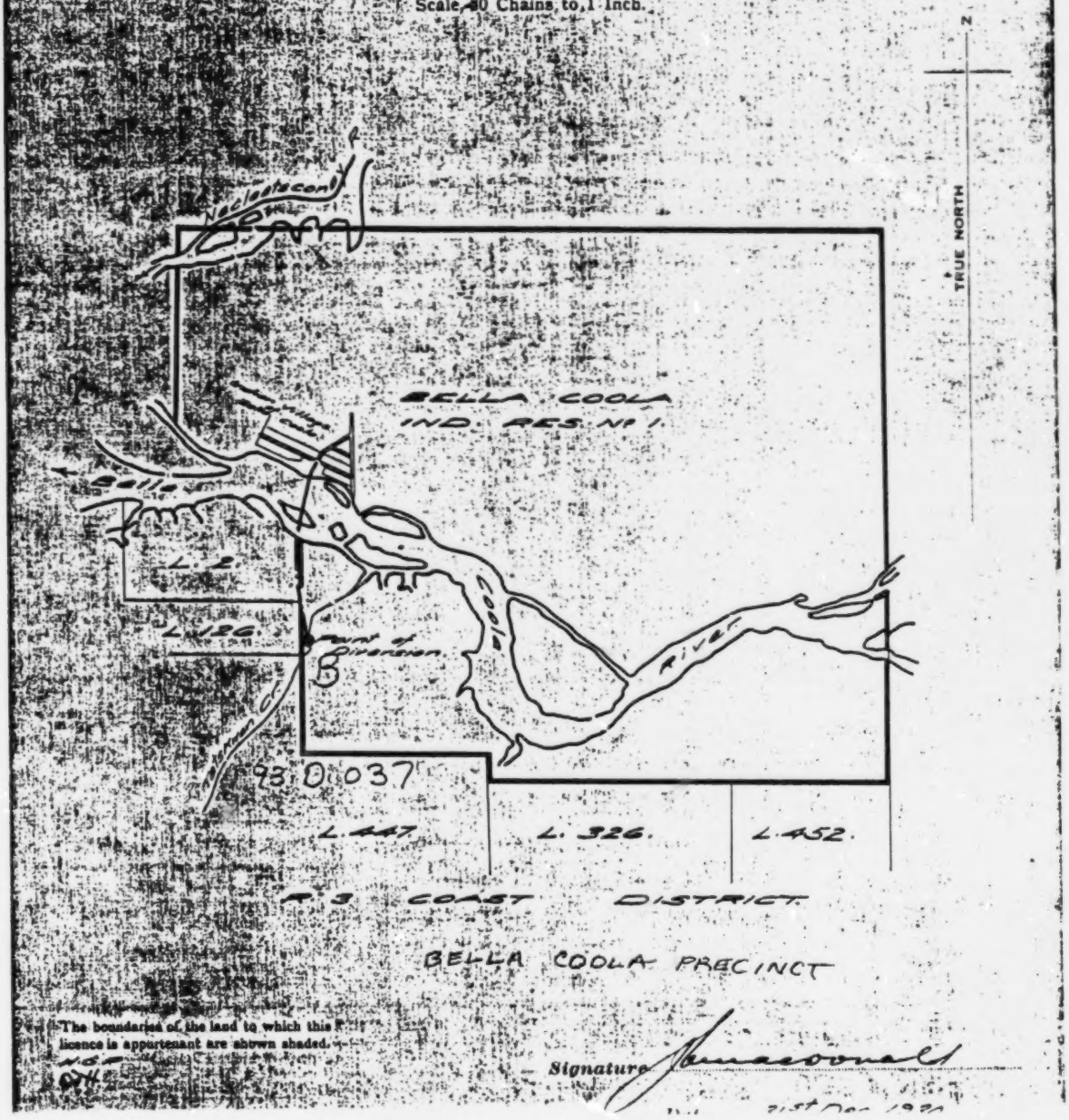
ORIGINAL

British Columbia.

To accompany Final Licence No. 7673

CARIBOO VANCOUVER WATER DISTRICT.

Scale, 80 Chains to 1 Inch.

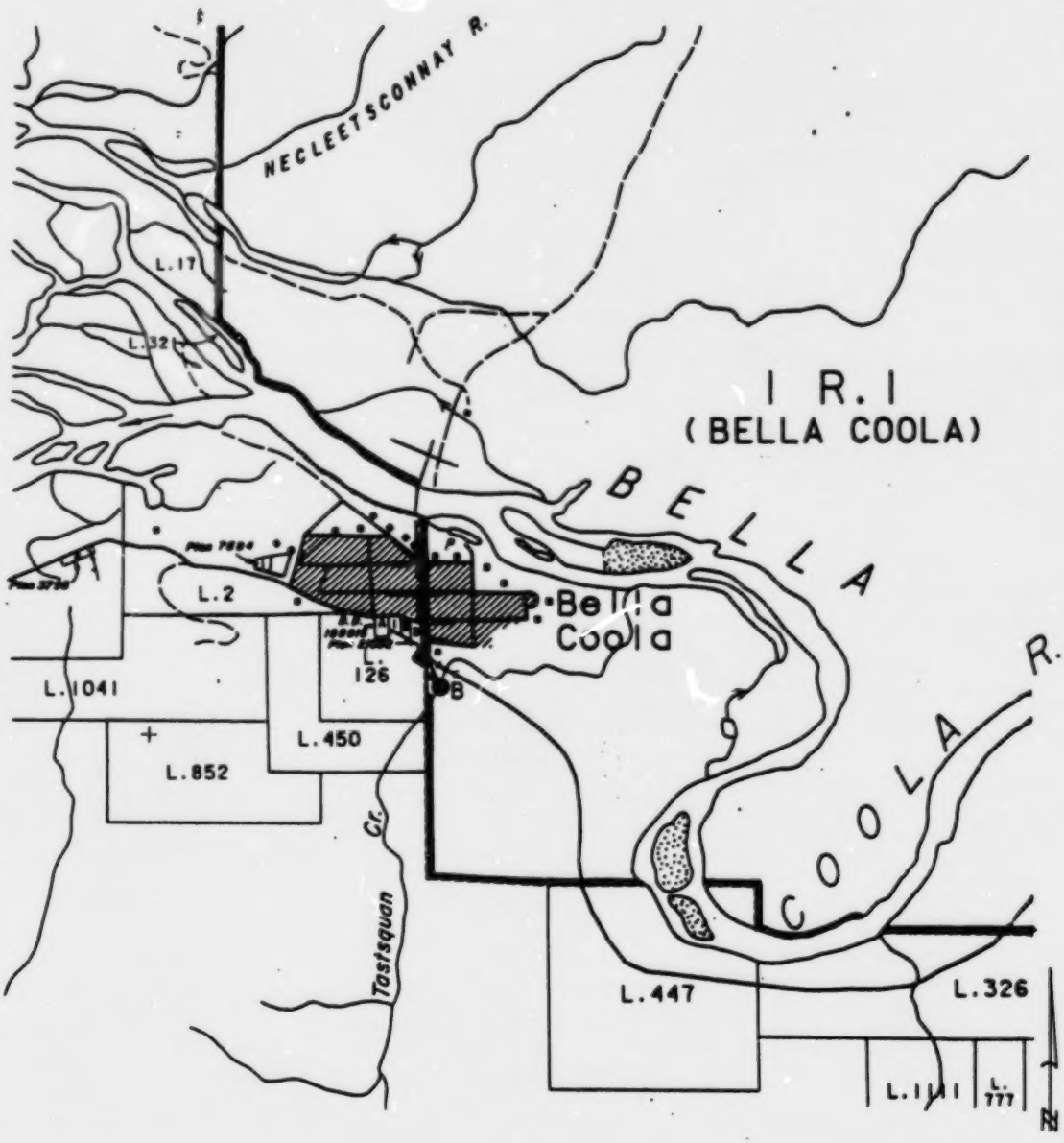


The boundaries of the land to which this licence is appurtenant are shown shaded.

Signature [signature]

21st Dec 1922

Province of British Columbia



WATER DISTRICT : CARIBOO
PRECINCT : BELLA COOLA
LAND DISTRICT : RANGE 3, COAST

LEGEND

Scale	: 1:20 000
Point of Diversion	: ●
Map Number	: WR 93-D-037
Pipe	: —— - ——

Signature Joel Guibord

Date 24th January, 1985

Amended F.L. 7679
File 069757

The boundaries of the land to which this licence is appurtenant are shown thus: ————

W.R.B. 17—536-759-9274 (2)

PROVINCE OF BRITISH COLUMBIA	WATER RIGHTS BRANCH	DEPARTMENT OF LANDS AND FORESTS

FINAL WATER LICENCE

Indian Affairs Branch,
Department of Citizenship and Immigration, of Ottawa, Ontario,

is/are hereby authorized to divert and use water as follows:—

(a) The source(s) of the water-supply is/are Tastaquan Creek.

(b) The point(s) of diversion is/are located as shown on the attached plan.

(c) The date from which this licence shall have precedence is 8th October, 1959.

(d) The purpose for which the water is to be used is waterworks.

(e) The maximum quantity of water which may be diverted is 50,000 gallons a day, and such additional quantity as the Engineer may from time to time determine should be allowed for losses.

(f) The period of the year during which the water may be used is the whole year.

(g) The land upon which the water is to be used and to which this licence is appurtenant is

Indian Reserve No. 1, (Bella Coola) Range 3, Coast District.

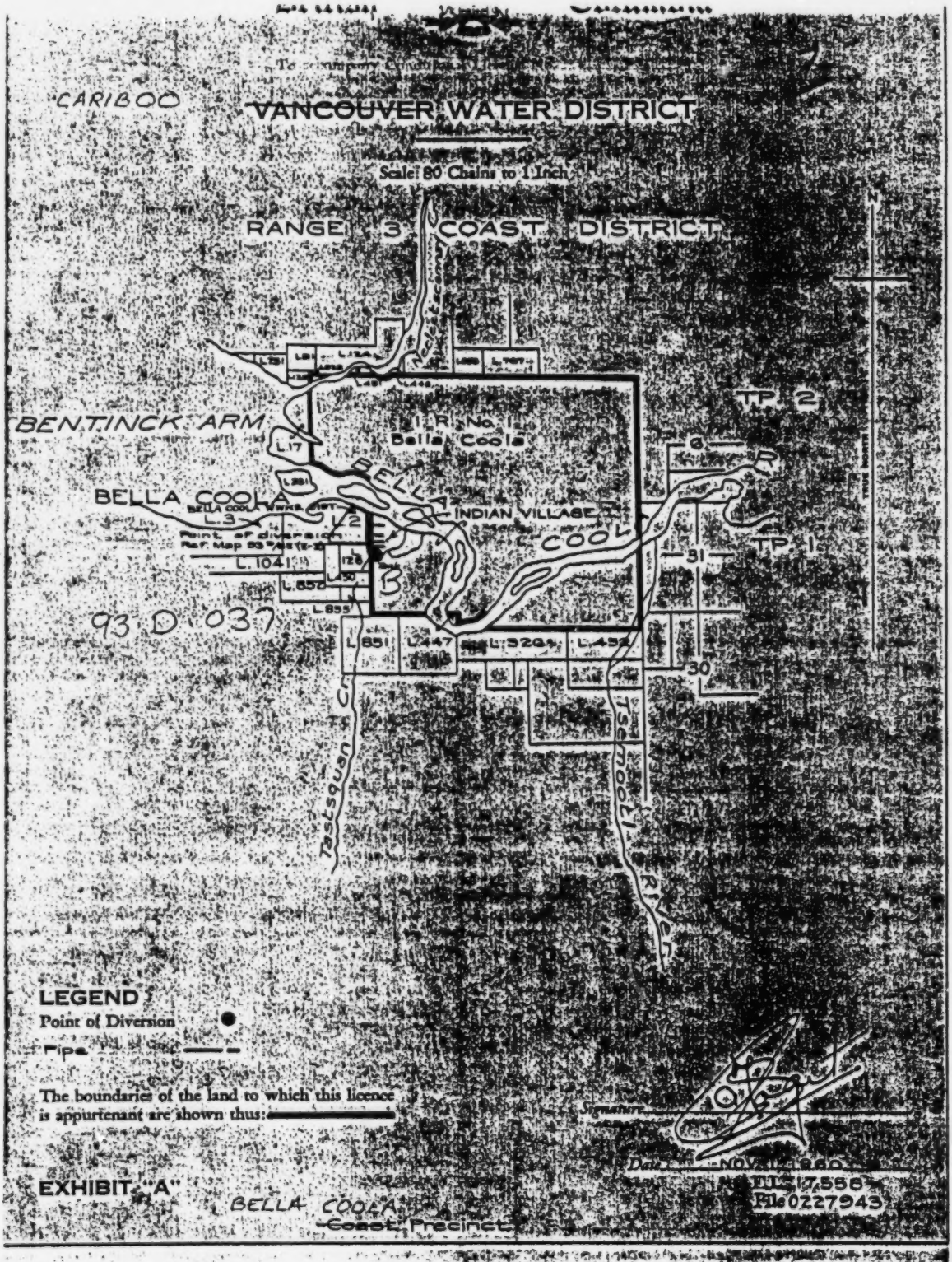
(h) The works authorized hereunder are diversion dam, tank and pipe, located as shown on the attached plan.

~~(i) This licence is issued subject to the provisions of Conditional Water Licence No.~~

Entered on Map No. 93D/SE(E-2) By G.H.R.

A. C. Paget,
Comptroller of Water Rights.

File No. 0227943 Date issued 1st November, 1960. Licence No. 17558


CARIBOO
VANCOUVER WATER DISTRICT
Scale: 80 Chains to 1 Inch
RANGE 3 COAST DISTRICT
BENTINCK ARM
I.R. No. 1
Bella Coola
BELLA COOLA
INDIAN VILLAGE
TP. 2
TP. 1
93 D 037
L.851
L.447
L.452
Tastsquan Cr.
Tsnoodzi River
LEGEND
Point of Diversion
Pipe
The boundaries of the land to which this licence is appurtenant are shown thus:
Signature
Date NOV 16 1960
EXHIBIT "A"
BELLA COOLA
Coast Precinct
File 0227943

Province of British Columbia

Ministry of Environment

PERMIT UNDER THE WATER ACT AUTHORIZING THE OCCUPATION OF CROWN LAND

Indian Agency - Bella Coola Band, P. O. Box 65, Bella Coola, B. C. V0T 1C0

the holder(s) of Conditional/~~Final~~ Water Licence(s) 58860 authorizing
the diversion of water from Thorsen Creek

is/~~are~~ hereby

authorized to occupy Crown land by constructing, maintaining, and operating thereon the works authorized under the said water licence and any licences which may be issued in substitution thereof.

(*a*) The Crown land which is authorized to be occupied under this permit is a portion of

unsurveyed land, Range 3, Coast District,

the location of which is shown approximately on the plan attached to the said water licence.

(*b*) The approximate dimensions of the Crown land authorized to be occupied under this permit are

3600 feet in length and 15 feet in width having an area of 1.24 acres.

(*c*) Subject to the payment of royalty, stumpage, and other compensation, and the obtaining of a licence to cut timber as provided under Condition 5, the permittee may cut and remove from the said land any timber, the removal of which is necessary to permit construction and maintenance of the said works.

(*d*) The annual rental for this permit is $ 4.00 , which is subject to review and revision at any time at the discretion of the Crown.

(*e*) This permit is appurtenant to the land, mine, or undertaking to which the aforesaid water licence is appurtenant.

(*f*) The conditions relative to the rights granted under this permit are printed on the back of this form.

Deputy Minister of Environment

File No. 0367000

Ref. Map 93 D/SE

W. R. Map --

Date issued: 15 June, 1983

Permit No. 13660

W.R.B. 12

CONDITIONS RELATIVE TO THE RIGHTS GRANTED UNDER THIS PERMIT

1. This permit is issued under the *Water Act*, and the rights hereby granted are subject at all times to the provisions of that Act and all Acts passed in amendment or substitution thereof and to all regulations from time to time made under any such Act.

2. There is reserved to the Crown the right to grant to other persons permits to occupy the land affected by this permit without compensation to the permittee or his successors in title.

3. In the event of any dispute arising at any time between the permittee and any owner of land adjacent to the land affected by this permit with respect to the area or boundaries of the land so affected, the licensee shall at his own expense, when so directed by the Deputy Minister of Environment, have the said land surveyed by a duly qualified surveyor, and shall likewise file with the Ministry of Environment at Victoria, British Columbia, a plan showing the result of the survey.

4. This permit and the rights granted hereunder are subject always to compliance by the permittee with the terms of his water licence, and if the rights granted under the said licence should at any time be suspended or terminated, the rights granted under this permit are thereupon likewise suspended or terminated.

5. The amount of stumpage, royalty, and (or) compensation payable to the Crown by the permittee in respect of trees, including merchantable or young growth, cut, removed, damaged, or destroyed by the permittee, shall be the sum or sums fixed by the Forest Service of the Province of British Columbia. Prior to the cutting, destruction, or flooding of any timber, the permittee must apply for and obtain a licence to cut timber from the District Forester.

Stream Register Report Water Licence Information System

Report Requested By : CROCHA
Date Report Requested : 1996/10/04 09:46
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : PD40187 - 93.D.037 B
END POINT : S019177 - Tastaquan Creek left of Bella Coola River

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source		MH Map		POD RED POD Comments					Proc	
1926/07/17	F007679	0069757	IR #1 BELLA COOLA R 3 COAST DIST	BELLA COOLA INDIAN BAND 987-539-7879 BOX 65 BELLA COOLA BC V0T1C0	DOM	25,000.00 GD	Jan 01	Dec 31		
Tastaquan Creek		MR93.D.037		B N					05F CAR - BELLA COOLA	
1945/02/12	C016439	0151780	UNDERTAKING OF LICENSEE WITHIN BOYS	BELLA COOLA WATERWORKS DISTRICT C/O CENTRAL COAST REG DIS PO BOX 186 BELLA COOLA BC V0T1C0	WWKLA	14,600,000.00 GY	Jan 01	Dec 31		
Tastaquan Creek		MR93.D.037		B N					05F CAR - BELLA COOLA	
1959/10/08	F017558	0227943	IR 1 BELLA COOLA R 3 COAST DIST	BELLA COOLA INDIAN BAND 987-539-7879 BOX 65 BELLA COOLA BC V0T1C0	WWIRT	50,000.00 GD	Jan 01	Dec 31		
Tastaquan Creek		MR93.D.037		B N					05F CAR - BELLA COOLA	

---------- Total of 3 Licences Reported ----------

Stream Register Report Water Licence Information System

Report Requested By : CROCHA
Date Report Requested : 1996/10/04 09:48
Report Sorted By : Source Gazetted - Priority Date - Licence Number
Selection Criteria
START POINT : PD40189 - 93.D.037 N
END POINT : S019179 - Thorsen Creek left of Bella Coola River

Stream Register Report

Water Licence Information System

DATE: 1996/10/04
TIME: 09:48
PAGE: 001

Priority YYYY/MM/DD	Licence Number	File Number	Appurtenancy	Licensee	PUC	Quantity/Units	Term Start	Term End	Licence Comments	Process Status
Source			WR Map	POD	RED POD Comments				Prec	
1980/07/28	C058860	0367000	THAT PART OF IR #1 BELLA COLLA R 3 COAST DIST LYING S & E OF BELLA COOLA R	BELLA COOLA INDIAN BAND 987-539-7879 BOX 65 BELLA COOLA BC V0T1C0	DOM	250,000.00 GD	Jan 01	Dec 31		
Thorsen Creek			WR93.D.037	C	N				05F CAR - BELLA COOLA	

---------- Total of 1 Licence Reported ----------

TASEKO RIVER AT OUTLET OF TASEKO LAKES - STATION NO. 08MA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1929	---	---	---	---	---	68.4	---	---	---	18.9	10.9	---	---	1929
1930	---	---	---	---	---	93.6	108	101	71.6	---	---	---	---	1930
1982	---	---	---	---	---	---	---	---	---	---	---	---	---	1982
1983	5.70	4.87	4.33	4.69	37.4	95.6	80.8	85.1	38.0	14.1	14.2	5.63	32.7	1983
1984	7.13	5.73	4.68	5.26	8.16	62.8	85.9	87.7	32.9	62.6	13.6	8.21	32.2	1984
1985	5.65	4.82	3.62	6.35	32.2	70.7	95.6	93.3	30.5	12.6	5.68	3.46	30.6	1985
1986	4.50	3.98	4.05	4.10	25.8	111	91.7	90.2	47.0	16.7	11.3	7.32	34.9	1986
1987	7.13	6.10	6.52	8.07	40.2	93.7	122	75.4	49.4	18.6	9.34	6.46	37.2	1987
1988	4.81	4.09	4.04	8.10	34.1	62.8	86.5	90.6	51.0	26.9	11.8	7.52	32.8	1988
1989	5.62	4.60	3.93	5.40	32.3	91.9	75.3	94.5	48.9	23.8	13.6	9.01	34.2	1989
1990	6.17	5.47	4.40	8.96	29.8	90.6	119	104	52.4	23.3	23.1	12.5	40.2	1990
MEAN	5.84	4.96	4.44	6.37	30.0	84.1	96.1	91.3	46.8	24.2	12.6	7.51	34.3	MEAN

LOCATION - LAT 51 22 46 N LONG 123 37 50 W DRAINAGE AREA, 1 520 km² NATURAL FLOW

TASEKO RIVER AT OUTLET OF TASEKO LAKES - STATION NO. 08MA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1929	---	---	---	---	1929
1930	* ---	130E ON JUL 17	---	---	1930
1982	---	---	---	---	1982
1983	176 AT 13:15 PST ON JUN 22	169E ON JUN 03	3.51E ON APR 08	1 030 000	1983
1984	180E ON JUN 03 257 ON OCT 10 *	235E ON OCT 10 *	3.56 ON APR 14	1 020 000	1984
1985	138 AT 22:17 PST ON AUG 04	137 ON AUG 04	3.20 ON DEC 17 *	965 000	1985
1986	156 AT 01:04 PST ON JUN 03	154 ON JUN 02	3.28 ON APR 12	1 100 000	1986
1987	187 AT 01:11 PST ON JUL 03	184 ON JUL 03	4.70E ON MAR 01	1 170 000	1987
1988	128 AT 01:15 PST ON JUL 29	125 ON JUL 29	3.52 ON FEB 22	1 040 000	1988
1989	125 AT 21:28 PST ON JUN 14	122 ON JUN 14	3.47 ON APR 04	1 080 000	1989
1990	159 AT 16:25 PST ON JUN 24	153 ON JUN 25	3.82 ON MAR 22	1 270 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 080 000	MEAN

TASTSQUAN CREEK AT BELLA COOLA - STATION NO. 08FB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	---	0.744	5.60	4.12	3.38	1.83	1.94	0.615	0.625	0.811	---	1946
1947	0.969	1.01	0.800	2.21	4.48	2.45	2.86	1.27	1.24	4.20	1.11	1.26	2.05	1947
1948	0.737	0.636	0.440	0.819	4.69	4.41	3.43	2.73	2.04	1.53	1.40	1.92	1.99	1948
1949	1.47	0.615	0.572	1.73	5.42	3.28	3.09	2.82	1.71	2.97	6.99	1.04	2.65	1949
1950	0.219	0.311	0.446	0.661	3.26	7.84	3.58	2.60	---	---	---	---	---	1950
MEAN	0.849	0.643	0.565	1.23	4.69	4.48	3.07	2.25	1.73	2.40	2.53	1.26	2.23	MEAN

LOCATION - LAT 52 21 54 N LONG 126 45 24 W DRAINAGE AREA, 28.4 km² NATURAL FLOW

TASTSQUAN CREEK AT BELLA COOLA - STATION NO. 08FB003

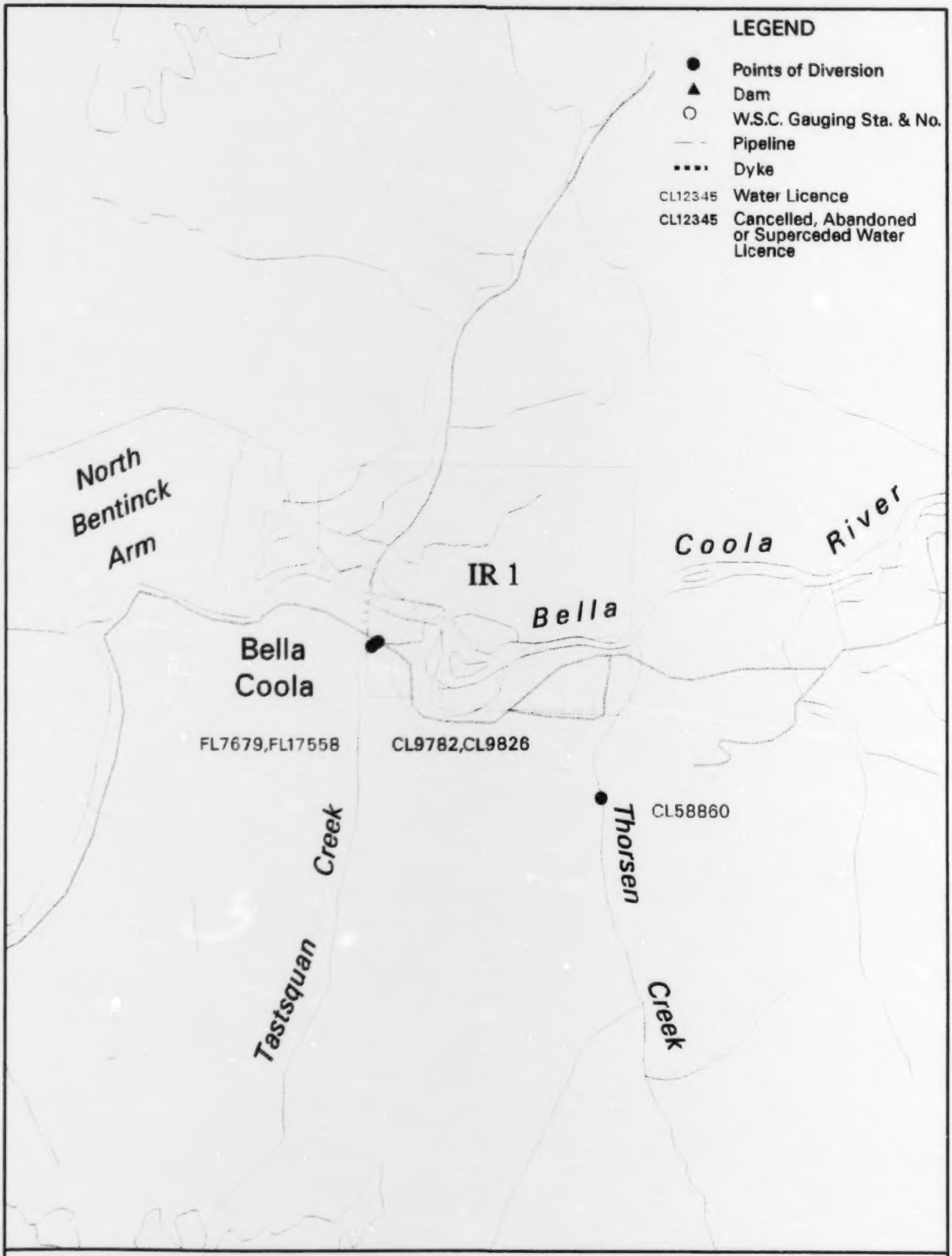
ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	---	---	---	1946
1947	---	36.5E ON OCT 24 *	0.085 ON JAN 15 *	64 600	1947
1948	---	16.9 ON AUG 31	0.263 ON MAR 01	62 900	1948
1949	---	25.9 ON NOV 27	0.334 ON JAN 01	83 600	1949
1950	---	---	---	---	1950
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		70 400	MEAN

A REF. NO.	B RESERVE NAME & NO.	C BAND NAME	D VALLEY BODY	E TYPE OF WORKS	F LENGTH DYKE (KM)	G LENGTH B.P. (KM)	H CROWN WIDTH (M)	I APPROX. WATER SLOPE	J PROT'D. AREA (HA)	K DATE LAST CONST'D.	L CONST. FUNDED BY	M INSPECTED BY	N MAINTAINED BY
1	ASKHOLA 10	LOWER SKWELKWEEN	SKWELKWEEN R.	DYKE & B.P	0.40	1.20	?	?	60	1986	ARDSA	I.of B.	BAND
2	ALEXUCKS 15	SQUAMISH	SQUAMISH R.	DYKE	0.80	N/A	3.0	?	15	1977	B.C./MUN.	I.of B.	SQUAMISH DIST.
3	BARNSTON ISLAND 3	KATZIE	FRASER R.	DYKE	0.67	N/A	3.0	2:1	40.5	1950	FYDB	I.of B.	MSSE. I.D. DIST.
4	BELLA COOLA 1	BELLA COOLA	THOMAS CR.	DYKE	0.02	0.00	4.0	2:1	?	1988	BAND	?	BAND
5	BELLA COOLA 1	BELLA COOLA	TASTSQUAS CR.	DYKE & B.P	0.15	0.10	?	?	?	1974	BAND	?	BAND
6	CAPE MUDGE	CAPE MUDGE	SEA	SEAWALL	N/A	?	N/A	?	?	?	?	?	BAND
7	CHAWATHIL	HOPE	FRASER R.	B.P.	N/A	0.50	N/A	?	?	?	CPR	?	CPR
8	CHEAM 1	CHEAM	FRASER R.	DYKE	0.82	0.76	3.0	2.5:1	55.8	1974	FRJP/CKE	I.OF B.	CHILLIWACK DIST.
9	CHEHALIS 5	CHEHALIS	CHEHALIS R.	DYKE	0.44	N/A	4.0	2:1	881	1990	BAND	?	BAND
10	COQUITLAM 2	COQUITLAM	COQUITLAM R.	DYKE	0.30	N/A	?	?	70	?	BAND	?	BAND
11	COWICHAN 1	COWICHAN	COWICHAN/KOKSILAH RS.	DYKE	5.74	N/A	3.0	2:1	650	1985	ARDSA	I.of B.	BAND
12	DEADMAN'S CREEK	SKEETCHESTN	DEADMAN CR.	B.P.	N/A	?	N/A	?	800	1948	BAND	?	BAND
13	EAST SAANICH 2	TSAYOUT	SEA	SEAWALL	N/A	0.40	N/A	1.5:1	?	1983	BAND	?	BAND
14	ENDERBY 2	ENDERBY	SHUSWAP R./FORTUNE CR.	DYKE	?	N/A	?	?	340	?	BAND	?	BAND
15	FORT RUPERT 1	WALTOTL	SEA	SEAWALL	N/A	0.80	N/A	1.5:1	340	1974	BAND	?	BAND
16	GITANMAAX 1	GITANMAAX	SKEENA R.	GROYNE	N/A	?	N/A	N/A	?	?	?	?	BAND
17	GORDON RIVER 2	PACHENAHT	SAN JUAN R.	B.P.	N/A	0.50	N/A	2:1	?	1991*	BAND	?	BAND
18	HALFWAY 168	HALFWAY	HALFWAY R.	B.P.	N/A	0.10	N/A	?	?	1991*	BAND	?	BAND
19	KAMLOOPS	KAMLOOPS	SOUTH THOMPSON R.	DYKE	1.37	N/A	?	?	?	1972	B.C.-MYTS.	?	BAND
20	KATZIE 1	QWEEKAND	QUEWOYE	DYKE	?	N/A	?	?	?	1990	BAND	?	BAND
21	KATZIE 1	KATZIE	FRASER R.	DYKE	0.60	N/A	3.0	2.5:1	31.5	1984	FRJP	I.of B.	PITT M'DOWS DIST.
22	KINCOLITH 14	KINCOLITH	SKEENA R.	CAUSEWAY	N/A	0.70	4.0	1.5:1	?	1990	BAND	?	BAND
23	KITAMAAT 2	KITAMAAT	YATHL R.	DYKE	0.55	N/A	3.5	2:1	16	1988	BAND	?	BAND
24	KITWANGAK 1	GITWANGAK	SKEENA R.	B.P.	N/A	?	N/A	?	93	?	CNR	?	CNR
25	KITWILLUCKSILT 7	GITWINKSIHLKW	UNNAMED	CHAN. IMPS	N/A	N/A	N/A	N/A	52	1987	BAND	?	BAND
26	KULKAYU 4	HARTLEY BAY	SEA	SEAWALL	N/A	0.22	N/A	1.5:1	?	1977	BAND	?	BAND
27	LACHALTSAP 3	LAKALZAP	GREENVILLE CR.	DYKE	1.40	N/A	4.0	1.5:1	800	1990	BAND/BC	?	BAND
28	LAKAHAHMEN 11	LAKAHMEN	MISSION SLOUGH	DYKE	0.90	N/A	?	?	23	1949	FYDB	I.of B.	M.MISSION I.DIST.
29	LOUIS CREEK 4	NORTH THOMPSON	N.THOMPSON/LOUIS CR.	B.P.	N/A	?	N/A	?	0.8	1984	BAND	?	BAND
30	NASSE 1	NASSE	SEA	SEAWALL	N/A	0.22	N/A	WEST.	?	1983	BAND	?	BAND
31	NATSOUI KEIK 2	NATSOUI	FRASER R.	DYKE	1.10	N/A	3.0	2.5:1	41.3	1974	FRJP	I.of B.	DIST.OF NATSOUI
32	MCMILLAN ISLAND 15	LANGLEY	FRASER R.	B.P.	N/A	0.40	N/A	?	181	?	BAND	?	BAND
33	MOUNT CURRIE 1,8,8,10	MOUNT CURRIE	DISCHEHEAD	DYKE	0.70	N/A	3.0	2:1	442	PRE-70	?	I.of B.	PEMBERTON D.DIST.
34	MUSQUEAM 2	MUSQUEAM	SEA/N.ARM FRASER R.	DYKE & B.P	0.55	0.40	?	?	27.3	?	BAND	?	BAND
35	NANAIMO RIVER 3	NANAIMO RIVER	NANAIMO R./SEA	DYKE	2.20	N/A	?	?	92	1934	BAND	?	BAND
36	NEQUATQUE 1	ANDERSON LAKE	GATES R./ANDERSON L.	DYKE	?	N/A	?	?	9	1948	MYTS/BCA	?	?
37	NESUCH 3	MOUNT CURRIE	LILLOOET R.	DYKE	0.20	N/A	3.0	2.5:1	295	1947	B.C./B.D.	I.of B.	PEMBERTON D. DIST.
38	NORTH THOMPSON 1	NORTH THOMPSON	NORTH THOMPSON R.	B.P.	N/A	0.60	N/A	?	250	?	BAND	?	BAND
39	PAPEKWATCHIN 4	LAKAHAHMEN	FRASER R.	DYKE	0.88	N/A	3.0	2.5:1	56.4	1980	FRJP	I.of B.	MICOMEN IS.I.DIST.
40	PENTICTON	PENTICTON	OKANAGAN R/SHINGLE CR.	DYKE	?	N/A	?	?	530	1953	B.C./CAN.	I.of B.	PROVINCE
41	PENTLEDGE 2	CONOE	PUNTLEDGE R.	B.P.	N/A	0.26	N/A	1.5:1	?	1972	BAND	?	BAND
42	PETERS 1	PETERS	FRASER	DYKE	0.25	N/A	?	?	125	1984	BAND	?	BAND
43	PETERS 2	PETERS	FRASER R.	B.P.	N/A	1.07	N/A	2:1	48	1988	BAND	?	BAND
44	PINCHIE 2	TL'AZT'EN NATION	STUART L./PINCHI R.	B.P.	N/A	0.10	N/A	2.5:1	30	1988	BAND	?	BAND
45	PORT SIMPSON 1	LAX KW'ALAAMS	SEA	CAUSEWAY	N/A	0.13	?	1:1	?	1950	BAND	?	BAND
46	QUAAOUT 1	LITTLE SHUSWAP	LITTLE R./ SHUSWAP L.	B.P.	N/A	0.13	N/A	?	?	1975	BAND	?	BAND
47	RUBY CREEK 2	SKAWAHLOOK	RUBY CREEK	DYKE	?	N/A	?	?	1.2	?	BAND	?	BAND
48	SALMON RIVER 1	SPALLUMCHEEN	SALMON R.	B.P.	N/A	0.19	N/A	1.5:1	?	1984	BAND	?	BAND
49	SCOWLITZ 1	SCOWLITZ 1	FRASER R./HARRISON R.	DYKE	2.90	N/A	3.0	2.5:1	53	1972	FRJP	I.of B.	SENT DIST.
50	SEABIRD ISLAND	SEABIRD ISLAND	FRASER R.	B.P.	N/A	1.30	N/A	2:1	166	1976/82	FRJP/BAND	I.of B.	SENT DIST./BAND
51	SEALCHEK 10	SQUAMISH	SQUAMISH R.	DYKE	0.60	N/A	3.0	2.5:1	4	1987	B.C./MUN.	I.of B.	SQUAMISH DIST.
52	SECHELT 2	SECHELT	SEA	B.P.	N/A	0.85	N/A	1.5:1	?	1986	BAND	?	BAND
53	SEYMOUR CREEK 2	SQUAMISH	SEYMOUR CR.	B.P.	N/A	?	N/A	?	?	?	LESSE	?	?
54	SKAWALOOK 1	SKAWALOOK	FRASER R.	B.P.	N/A	0.12	N/A	?	?	?	?	?	BAND
55	SKWEAHK 10	LAKAHAHMEN	MISSION SLOUGH	DYKE	2.10	N/A	3.0	2:1	23	1949	FYDB	I.of B.	MICOMEN IS.I.DIST
56	SKWEMOSKWAHEN 1,7,9	LOWER SKWELKWEEN	SKWELKWEEN R.	DYKE & B.P	2.50	1.50	3.0	2:1	1100	1986	ARDSA	I.of B.	BAND
57	SLIDEGATE 1	SLIDEGATE	SEA	B.P.	N/A	0.10	N/A	?	?	1985	BAND	?	BAND
58	SKWELSPN 10	SKWAH	FRASER R.	DYKE	4.20	N/A	3.0	2.5:1	488	1949	FYDB	I.of B.	MICOMEN IS.I.DIST
59	SKWALI 3	SKWAH	FRASER R.	DYKE	2.50	N/A	3.0	2:1	4	1950	FYDB	I.of B.	CHILLIWACK DIST.
60	SKWAH 4,5	SKWAH	FRASER R.	DYKE	0	N/A	0	0	0	1950	FYDB	I.OF B.	?
61	SLOSH 1	SETON LAKE	SETON R./SETON L.	B.P.	N/A	0.06	N/A	1.5-2:1	?	1990	BAND	?	?
62	SOOYAMLIE 14	SOOYAMLIE	CHILLIWACK R.	DYKE	2.01	N/A	3.7	2:1	?	1990	BAND	?	BAND
63	SWITSEMALPH 8	ADAMS LAKE	SHUSWAP L./SYPHON CR.	DYKE	?	N/A	?	?	?	LESSE	?	?	
64	TSAWWASSEN	TSAWWASSEN	SEA	DYKE	2.30	N/A	3.0	2.5:1	273	1985	FRJP	I.of B.	CORP. OF DELTA
65	TSEATAH 2	CHEAM	FRASER R.	DYKE & B.P	2.80	0.70	3.0	2:1	97	1973	FRJP/BAND	I.of B.	SENT DIST./BAND
66	TSULQUATE 4	QWA-SALA-NAIYAK	SEA/TSULQUATE R.	B.P.	N/A	0.20	N/A	?	?	1975	BAND	?	BAND
67	YAYAKOSH 14	SQUAMISH	SQUAMISH R.	DYKE	0	N/A	0	0	0	1977	B.C./MUN.	I.OF B.	SQUAMISH DIST.
68	YHISPERING PINES 4	YHISPERING PINES	NORTH THOMPSON R.	DYKE	?	N/A	?	?	?	PRE-72	PREV.OWNER	?	?
69	ZAITSCHULLACH 9	LAKAHAHMEN	MISSION SLOUGH	DYKE	0.70	N/A	3.0	2:1	20	1949	FYDB	I.of B.	MICOMEN IS.I.DIST
				TOTALS	57.85	13.17							

DYKE CATEGORIES: A - 1:200 yr. Flood + 0.5 M Freeboard
B - 1:200 yr. Flood, no Freeboard

0 -See Column Y COMMENTS



BELLA COOLA FIRST NATION

Scale: 1 : 75,000

Ministry of Environment, Lands & Parks | Date: April 2000 | Environment & Lands Division